

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re U.S. Patent Application)

Applicant: Hasegawa et al.)

Serial No.)

Filed: July 15, 2003)

For: THIN FILM MAGNETIC HEAD HAVING)
 LOWER AUXILIARY MAGNETIC POLE)
 ON LOWER MAGNETIC POLE LAYER)

I hereby certify that this paper is being deposited with the United States Postal Service as EXPRESS MAIL in an envelope addressed to: Mail Stop PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this date.

July 15, 2003
 Date

Daniel A. Owen
 Express Mail No. EV032730862US

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Dear Sir:

This IDS is submitted:

- (X) under 37 C.F.R. § 1.97(b), or
 (Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last).
- () under 37 C.F.R. § 1.97(c) together with either a:
 () Statement under 37 C.F.R. § 1.97(e); or
 () a \$180.00 fee under 37 C.F.R. § 1.17(p), or
 (After the C.F.R. § 1.97(b) time period, but before final action or notice of allowance, whichever occurs first)
- () under 37 C.F.R. § 1.97(d) together with a:
 () Statement under 37 C.F.R. § 1.97(e), and
 () a petition under 37 C.F.R. § 1.97(d)(2), and
 () a \$180.00 petition fee set forth in 37 C.F.R. § 1.17(p).
 (Filed after final action or notice of allowance, whichever occurs first, but before payment of the issue fee)
- (X) The Commissioner is hereby authorized to charge any additional fees which may be required to this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 07-2069. A duplicate copy of this sheet is enclosed.

(X) Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Citation together with copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 C.F.R. § 1.56.

(X) A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individual(s) designated in 37 C.F.R. § 1.56(c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

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Form PTO-1449 U.S. Department of Commerce (Rev. 8-88) Patent and Trademark Office	Attorney Docket No.: 2500.68176	Serial No.:
	Applicant: Hasegawa et al.	
	Filing Date: 7-15-03	Group:

U.S. PATENT DOCUMENTS

Examiner Initial*	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
	2001-023116	Jan. 26, 2002	Japan			Abs.	
	11-213329	Aug. 6, 1999	Japan			Abs.	
	11-339223	Dec. 10, 1999	Japan			Abs.	
	11-353614	Dec. 24, 1999	Japan			Abs.	
	7-129930	May 19, 1995	Japan			Abs.	
	4-353609	Dec. 8, 1992	Japan			Abs.	
	2000-011319	Jan. 14, 2000	Japan			Abs.	
	8-138211	May 31, 1996	Japan			Abs.	
	6-314414	Nov. 8, 1994	Japan			Abs.	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner	Date Considered
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*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.